S
553.28
O I&
March
1974
SHELVED WITH
PERIODICALS

Montana State Library
3 0864 1006 0322 7
JUN 3 1974

MONTANA OIL AND GAS STATISTICAL BULLETIN

ADMINISTRATORS

DONALD E. CHISHOLM, ADMINISTRATOR
P. O. BOX 217
HELENA, MONTANA 59601

DONALD A. GARRITY, ATTORNEY
1721 ELEVENTH AVENUE
HELENA, MONTANA 59601

JUDSON D. SWEET, PETROLEUM ENGINEER
15 POLY DRIVE
BILLINGS, MONTANA 59101

HERBERT D. HADLEY, GEOLOGIST
15 POLY DRIVE
BILLINGS, MONTANA 59101

BOARD MEMBERS

R. A. CAMPBELL, CHAIRMAN
1222 N. 27TH STREET
BILLINGS, MONTANA 59101

C.J. IVERSON, VICE CHAIRMAN
WHITLASH, MONTANA 59545

MILTON G. ANDERSON
P. O. BOX 73
SIDNEY, MONTANA 59270

PAUL C. BUNN
WESTLAND BLDG.
CHESTER, MONTANA 59522

JOHN P. MOORE
P. O. BOX 997
CUT BANK, MONTANA 59427

BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

MONTANA STATE LIBRARY
930 East Lyndale Avenue
Helena, Montana 59601

Vol. XXII, No. 3 **MARCH, 1974**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of March, 1974, averaged 97,669 barrels daily, an increase of 2,432 barrels from the average February production of 95,237.

The nine refineries in the state processed 126,516 barrels of crude oil daily for the month of March, 1974, a decrease of 3,624 barrels from the 130,140 barrels processed daily during the month of February.

During March, 28 wells were completed, 3 oil, 2 gas and 23 dry holes.

During March, the Board issued 47 permits to drill new wells, a decrease of 14 from the 33 permits issued during February.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF MARCH, 1974

IN STORAGE March 1st	
By Producers	324,316
By Transporters	1,357,106
By Refiners	998,384
TOTAL STORAGE	2,679,806
Produced in Montana During Month	3,027,741
Imported During Month	3,142,762
TOTAL	8,850,309
DISPOSITION:	
Refined in Montana	3,922,005
Exported	2,181,830
Used for Fuel or Lost	16,541
TOTAL	6,120,376
IN STORAGE March 31st	
By Producers	330,336
By Transporters	1,397,963
By Refiners	1,001,634
TOTAL STORAGE	2,729,933

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

Month of March, 1974

Field	M. C. Ft.
NATURAL:	
Big Coulee	124,281
Black Coulee	17,484
Blackjack	57,867
Bowdoin	387,970
Bowes	47,817
Cedar Creek	1,149,707
Cut Bank (including Reagan)	271,540
	(2,091,285)*
Ethridge	104,200
Dry Creek	49,514
Flat Coulee	12,717
Grandview	19,186
Hardin	1,969
Keith Block	93,126
Kevin Sunburst	46,283
Kicking Horse	13,823
Lake Basin	50,486
Liscom Creek	35,458
Middle Butte	2,645
Mt. Lilly	19,065
Plevna	6,084
South Devon	28,379
Shepard	177,923
Tiger Ridge	1,905,394
Trail Creek	14,867
Utopia	59,619
West Butte	68,289
Whitlash	69,039
ASSOCIATED:	
Bell Creek	21,500
Brush Lake	—0—
Cabin Creek	69,868
Elk Basin	33,925
Fairview	50,326
Pine	46,315
Richland	49,531
Tule Creek	13,905
TOTAL	3,028,817

Total Withdrawals for March, 1973, were 5,800,094.

*Adjustment for error in reporting:
January should have been: 121,682 MCF
February should have been: 110,683 MCF

PRODUCERS REPORT — MONTH OF MARCH, 1974

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	----------	813	----------	631	----------	182
1	Bainville	1	2,100	1,930	----------	1,526	----------	2,504
1	Bannatyne	1	----------	213	213	----------	----------	----------
4	Bear's Dean	6	1,388	994	----------	1,013	----------	1,369
17	Bell Creek	243	21,097	819,393	818,422	----------	----------	22,068
1	Benrud	1	281	964	----------	208	----------	1,037
3	Benrud East	3	2,105	10,168	----------	10,293	----------	1,980
1	Benrud Northeast	1	826	1,481	----------	1,741	----------	566
----	Berthelote	----------	287	----------	----------	----------	----------	287
5	Big Wall	16	1,271	5,902	5,803	----------	----------	1,370
2	Blackfoot	2	405	1,094	713	----------	----------	786
2	Border	7	2,686	689	----------	764	----------	2,611
1	Bowes	54	7,140	10,570	10,934	----------	----------	6,776
1	Bradley	1	749	524	823	----------	----------	450
2	Brady	2	----------	378	378	----------	----------	----------
4	Brorson-Madison	4	811	3,358	----------	2,741	----------	1,428
5	Brorson-Red River	5	6,997	6,714	----------	6,859	----------	6,852
3	Brorson-Red River South	3	2,049	5,814	----------	5,281	----------	2,582
5	Brush Lake	5	1,637	9,468	10,526	----------	----------	579
1	Burns Creek	1	259	1,276	----------	1,274	----------	261
2	Cabin Creek	85	----------	200,196	200,196	----------	----------	----------
1	Canal	1	1,100	4,257	----------	4,404	----------	953
8	Cat Creek	38	2,062	12,620	12,334	----------	----------	2,348
1	Chelsea Creek	1	284	55	----------	178	60	101
----	Clark's Fork	----------	12	----------	----------	----------	----------	12
1	Clark's Fork South	1	141	1,145	----------	1,039	----------	247
2	Conrad South	2	----------	614	614	----------	----------	----------
2	Cow Creek	2	257	519	----------	523	----------	253
4	Cow Creek East	5	1,065	15,660	----------	16,115	----------	610
1	Culbertson	1	97	414	----------	213	----------	298
3	Cupton	6	3,790	7,581	5,958	2,068	----------	3,345
123	Cut Bank	835	58,043	317,157	281,276	36,148	421	57,355
----	Dean Dome	----------	65	----------	----------	----------	----------	65
1	Deer Creek	1	270	1,086	893	----------	----------	463
----	Delphia	----------	189	----------	----------	----------	----------	189
1	Devil's Basin	3	496	154	----------	----------	121	529
2	Dwyer	10	3,539	8,508	7,795	----------	----------	4,252
3	Elk Basin	49	743	106,525	106,588	----------	----------	680
4	Elk Basin Northwest	7	1,741	2,383	2,712	----------	----------	1,412
5	Fairview	9	9,809	27,708	12,647	16,253	----------	8,617
2	Fertile Prairie	2	589	1,442	----------	1,610	----------	421
5	Flat Coulee	21	2,547	9,997	9,387	----------	----------	3,157
36	Flat Lake	52	2,813	54,568	53,725	----------	3	3,653
5	Flat Lake South	5	1,084	7,193	7,344	----------	----------	933
1	Four Buttes	1	556	365	----------	659	----------	262
1	Ft. Gilbert	2	257	9,292	8,855	----------	----------	694
1	Frannie	1	----------	682	682	----------	----------	----------
6	Fred & George Creek	26	2,394	47,969	47,483	----------	----------	2,880
1	Froid South	1	224	472	----------	----------	----------	696
1	Gage	1	20	131	----------	----------	----------	151
2	Gas City	16	6,501	22,196	21,003	3,280	----------	4,414
1	Girard	1	1,094	950	----------	1,021	----------	1,023
10	Glendive	12	2,423	21,177	21,336	----------	----------	2,264
10	Goose Lake	28	3,202	21,500	21,546	----------	----------	3,156
11	Graben Coulee	30	8,163	14,422	10,150	2,395	----------	10,040
1	Gypsy Basin	1	----------	432	----------	432	----------	----------
1	Hay Creek-Mission Canyon	1	99	538	568	----------	----------	69
2	Hay Creek-Red River	2	320	4,356	4,169	----------	----------	507
4	Hiawatha	4	2,414	5,702	6,015	----------	----------	2,101
1	Hibbard	1	360	270	----------	202	----------	428
----	Injun Creek	----------	266	----------	----------	----------	----------	266
6	Ivanhoe	11	1,560	3,399	3,601	----------	----------	1,358
2	Jim Coulee	19	4,655	38,720	40,453	----------	----------	2,922
7	Keg Coulee	22	5,355	14,144	11,988	----------	----------	7,511
2	Keg Coulee North	2	845	2,779	2,573	----------	----------	1,051
1	Kelley	3	811	4,101	3,619	----------	----------	1,293
71	Kevin Sunburst	372	9,850	21,077	19,038	2,375	----------	9,514
8	Laird Creek	10	647	2,610	----------	2,594	----------	663
1	Landslide Butte	1	507	341	----------	----------	----------	848
3	Leary	3	1,468	2,078	----------	1,661	9	1,876
1	Little Beaver	23	----------	41,073	41,073	----------	----------	----------
2	Little Beaver East*	9	830	11,682	11,191	----------	----------	1,321
4	Little Wall Creek	4	2,233	25,858	25,966	----------	----------	2,125
1	Lodge Grass	1	557	500	----------	500	----------	557
7	Lonetree Creek	7	5,290	14,742	----------	14,949	----------	5,083
3	Lookout Butte (Coral Creek)	30	213	53,503	53,071	----------	----------	645
1	Mason Lake	1	479	667	738	----------	----------	408
2	Melstone	2	506	1,868	1,972	----------	----------	402
----	Mineral Bench	----------	318	----------	----------	----------	----------	318
1	Miners Coulee	1	----------	511	----------	511	----------	----------
8	Monarch	13	2,959	12,749	10,407	3,163	----------	2,138
2	Mosser	2	----------	363	----------	363	----------	----------
1	Nohly	1	1,328	9,506	----------	9,563	----------	1,271
3	Otis Creek	3	878	3,093	----------	3,192	----------	779
5	Outlook	7	6,027	27,382	26,104	----------	----------	7,305
1	Outlook South	1	1,464	167	----------	----------	----------	1,631
2	Outlook West	2	1,856	1,817	2,741	----------	----------	932
1	Pennel-Lookout Butte	109	----------	203,411	203,411	----------	----------	----------
4	Pine	111	18,944	258,710	258,201	----------	----------	19,453
60	Pondera	247	4,050	21,674	21,213	----------	----------	4,511
6	Poplar	62	8,295	44,428	44,629	----------	----------	8,094
2	Poplar Northwest	3	1,328	1,324	1,908	----------	----------	744
----	Prairie Elk	----------	474	----------	----------	----------	----------	474
----	Pritchard Creek	----------	167	----------	----------	----------	----------	167
1	Putnam	2	242	4,760	----------	4,492	----------	510
3	Rabbit Hills	3	2,033	6,977	----------	6,186	----------	2,824
7	Ragged Point	16	3,375	13,672	12,880	----------	----------	4,167
2	Rattlesnake Coulee	2	496	346	209	----------	----------	633
4	Raymond	4	2,280	34,143	32,874	----------	----------	3,549
3	Reagan	44	894	14,580	14,402	----------	----------	1,072
1	Red Creek	19	----------	12,961	12,961	----------	----------	----------
1	Red Fox	1	139	676	654	----------	----------	161
1	Redstone	1	426	1,968	1,817	----------	----------	577
1	Repeat	1	240	2,264	----------	2,244	----------	260
4	Reserve	4	921	4,600	4,605	----------	----------	276
1	Richey	1	213	281	218	----------	----------	276
1	Richey Southwest	5	145	1,306	----------	844	----------	607
1	Riprap Coulee	1	643	1,384	1,461	----------	----------	566
1	Rush Mountain	1	421	213	415	----------	----------	219
2	Salt Lake	3	296	2,989	----------	3,083	----------	202
3	Sand Creek	3	1,294	1,459	1,643	----------	----------	1,110
2	Second Creek	2	1,255	10,525	----------	10,105	----------	1,675
2	Sioux Pass	2	2,322	33,761	34,266	----------	----------	1,817
1	Snyder	3	481	689	----------	811	----------	359
8	Soap Creek	19	2,101	4,073	----------	3,873	47	2,254
1	Spring Lake	2	489	1,025	----------	896	----------	618
1	Stensvad	5	3,305	28,857	28,217	----------	----------	3,945
17	Sumatra	89	20,854	141,832	141,253	----------	113	21,320
5	Tule Creek	5	4,276	18,598	----------	19,303	----------	3,571
2	Tule Creek East	2	1,015	4,156	----------	4,313	----------	858
3	Tule Creek South	3	405	2,144	----------	1,785	----------	764
2	Vida	2	411	532	----------	424	----------	519
4	Volt	5	2,414	10,837	----------	11,400	----------	1,851
3	Weldon	3	1,425	4,968	5,042	----------	----------	1,351
1	West Butte	1	----------	1,042	----------	1,042	----------	----------
17	Whitlash	37	6,883	10,894	10,304	----------	----------	7,473
----	Whitlash West	----------	284	----------	----------	----------	----------	284
2	Willow Creek North	2	633	1,372	1,273	----------	----------	732
2	Wills Creek South	----------	----------	2,519	2,519	----------	----------	----------
3	Winnett Junction	3	645	6,215	----------	6,460	----------	400
2	Wolf Springs	2	2,425	858	----------	2,161	----------	1,122
2	Woodrow	2	592	1,262	1,285	----------	----------	569
2	Wright Creek	2	2,422	500	500	----------	----------	2,422
----	Wildcat, Blaine Co.	----------	157	----------	----------	----------	----------	157
1	Wildcat, McCone Co.	1	37	199	----------	----------	----------	236
1	Wildcat, Rosebud Co.	1	122	48	----------	----------	----------	170
----	Wildcat, Toole Co.	----------	294	----------	----------	----------	----------	294
665	TOTAL	3,009	324,316	3,027,741	2,783,783	237,164	774	330,336

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1973	34,620,182	94,850	34,617,999	94,844
January, 1974	2,907,182	93,780	2,900,551	93,566
February, 1974	2,666,649	95,237	2,659,239	94,972
March, 1974	3,027,741	97,669	3,020,947	97,450

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1973	313,272	1,326,148	1,014,438	2,653,858
January, 1974	317,676	1,327,637	895,931	2,541,244
February, 1974	324,316	1,357,106	998,384	2,679,806
March, 1974	330,336	1,397,963	1,001,634	2,729,933

*Montana Oil Only **Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF MARCH, 1974

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			631				631		
BAINVILLE—Koch Oil Company			1,526				1,526		
BEAR'S DEN—Truck			1,013				1,013		
BELL CREEK—Pipeline	33,100	818,422					469,014	342,895	39,613
BIG WALL—Continental Pipeline Co.		5,803				5,803			
BLACKFOOT—Phillips Petroleum Co.		713						713	
BORDER—Permian Corp.			764					764	
BOWES—Texaco		10,934				10,934			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Co.			14,881					14,881	
BRUSH LAKE—Portal Pipeline Co.		9,468					9,468		
BURNS CREEK—Western Crude Oil, Inc.			1,274				1,274		
CABIN CREEK & OTHERS[1]									
Butte Pipeline Co.	270,229	476,596	49,500	1,381,796			1,917,478		260,643
Shell Pipeline Co.	3,825	51,810			405			48,667	6,563
	274,054	528,406	49,500	1,381,796	405		1,917,478	48,667	267,206
CANAL—Koch Oil Co.			4,404				4,404		
CAT CREEK—Continental Pipeline Co.		12,550				12,550			
CHELSEA CREEK—Western Crude Oil, Inc.			178				178		
CLARK'S FORK AND CLARK'S FORK SOUTH—Permian Corp.			1,039				1,039		
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			16,638				16,638		
CUT BANK—									
Continental Pipeline Co.		530,207	8,988					539,195	
Phillips Petroleum Co.	54,064	111,828		42,694	4,712	138,746			65,128
Texas Pipeline Co.	14,134	35,084		68,497	88	97,070			20,557
Union Oil Co.	66,729	41,960			410	29,997			78,282
Western Oil Trans. Co.		23,760						23,760	
Western Oil Trans. Co. (Moulton)		139,379						139,379	
	134,927	882,218	8,988	111,191	5,210	265,813		702,334	163,967
DWYER—Portal Pipeline Co.		7,795					7,795		
ELK BASIN & ELK BASIN NORTHWEST—Marathon Pipeline Co.		109,239				109,239			
FAIRVIEW—									
Fairview Pipeline Co.		12,647					12,647		
Koch Oil Co.			16,253				16,253		
		12,647	16,253				28,900		
FLAT COULEE—Phillips Petroleum Co.		9,387				9,387			
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		57,577					57,577		
FT. GILBERT—Fairview Pipeline Co.		8,855					8,855		
FRANNIE—Interstate Pipeline Co.		682					682		
FRED AND GEORGE CREEK—Camerland Cardinal Corp.	6,674	47,485		52,056		67,491		15,492	23,232
GIRARD—Koch Oil Co.			1,021				1,021		
GLENDIVE, DEER CREEK, WOODROW AND SAND CREEK—Texas Pipeline Co.	8,194	20,635			563			20,263	8,003
GOOSE LAKE—Portal Pipeline Co.		20,681					20,681		
HAY CREEK—Fairview Pipeline Co.		4,737					4,737		
HIAWATHA—Continental Pipeline Co.		6,015					6,015		
IVANHOE—Continental Pipeline Co.		3,601				3,601			
JIM COULEE—Continental Pipeline Co.		40,453						40,453	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		14,561				14,561			
KELLEY—Continental Pipeline Co.		3,619				3,619			
KEVIN SUNBURST—									
Big West Oil Co.	6,102	11,017				10,318			6,801
Homestake Oil & Gas Co.	2,256	1,770							4,026
Texas Pipeline Co.	13,864	5,037			262	8,435			10,204
	22,222	17,824			262	18,753			21,031
LEARY—Permian Corp.			1,661				1,661		
LODGE GRASS—Permian Corp.			500			500			
LONE TREE CREEK—Koch Oil Co.			14,949					14,949	
MASON LAKE—Continental Pipeline Co.		738				738			
MELSTONE—Continental Pipeline Co.		1,972				1,779	193		
MIDDLE WALL—Continental Pipeline Co.[2]		2,960						2,960	
MOSSER—Permian Corp.			363				363		
NOHLY—Koch Oil Co.			9,563				9,563		
OTIS CREEK—Western Crude Oil, Inc.			3,192				3,192		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—Portal Pipeline Co.		28,878					28,878		
PONDERA—Phillips Petroleum Co.	26,564	22,852			1,041	30,668			17,707
POPLAR, RED FOX, REDSTONE—East Poplar Gathering System	5,365	51,758			220			38,524[3]	18,379
PUTNAM—Western Crude Oil, Inc.			4,492				4,492		
RABBIT HILLS—Koch Oil Co.			6,186				6,186		
RAGGED POINT—Continental Pipeline Co.		11,026				11,026			
RAYMOND—Portal Pipeline Co.		32,874					32,874		
RED CREEK—Western Oil Transportation Co.		21,469						21,469	
RESERVE—Portal Pipeline Co.		4,598					4,598		
RIPRAP COULEE—Portal Pipeline Co.		1,460						1,460	
RUSH MOUNTAIN—Sinclair Ref. Co.		415					415		
SALT LAKE—Koch Oil Co.			3,083				3,083		
SECOND CREEK—Koch Oil Co.			10,105				10,105		
SNYDER—Permian Corp.			811			811			
SOAP CREEK—Permian Corp.			3,873				3,873		
SPRING LAKE—Koch Oil Co.			896				896		
SUMATRA AND STENSVAD—Continental Pipeline Co.	843,559	168,179		2,640,243	(3,946)	158,373		2,660,836	836,718
TULE CREEK, BENRUD, VOLT & OTHERS[4]—Tesoro Petroleum, Permiam Corp.	2,447		48,974			49,314			2,107
			1,785			1,785			
	2,447		50,759			51,099			2,107
WHITLASH AND WHITLASH WEST—Phillips Petroleum Co.		10,304				10,304			
WINNETT JCT.—Truck			6,460			6,460			
WOLF SPRINGS—Permian Corp.			2,161			2,161			
TOTAL	1,357,106	3,013,790	237,164	4,185,286	3,755	795,670	2,669,298	3,926,660	1,397,963

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Weldon and Wills Creek South.
[2]Little Wall Creek and Willow Creek North.
[3]Transferred to Butte Pipeline Co.
[4]Benrud, Benrud East, Benrud Northeast, Culbertson, Froid, Four Buttes, Tule Creek, Tule Creek East, Richey Southwest and Volt.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF MARCH, 1974

	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Exxon Co.	Farmers Union	Phillips Petroleum Co.	Tesoro Petr. Co.	Westco Refining Co.	Total
Big Wall		5,803							5,803
Cat Creek		2,207			10,127				12,334
Cut Bank	7,191					137,988		130,425	275,604
Elk Basin		39,196		36,683	33,360				109,239
Flat Coulee								9,387	9,387
Fred & George Creek	47,500								47,500
Ivanhoe		3,601							3,601
Keg Coulee		11,629		904	2,776				15,309
Kelley				3,619					3,619
Kevin Sunburst	18,753								18,753
Lodge Grass		500							500
Mason Lake		738							738
Melstone					1,779				1,779
Pondera						26,158			26,158
Ragged Point		11,026							11,026
Richey, Southwest							1,268		1,268
Snyder		811							811
Sumatra & Stensvad		33,319		8,316	125,054				166,689
Tule Creek & Others							40,138		40,138
Whitlash						8,964			8,964
Winnett Jct.					6,460				6,460
Wolf Springs				2,161					2,161
Volt							11,402		11,402
TOTAL Montana Oil	73,444	108,830		51,683	179,556	173,110	52,808	139,812	779,243
Canadian Oil Imported		490,456		422,092	410,782		1,609		1,324,939
Wyoming Oil Imported		710,933		714,163	392,727				1,817,823
TOTAL Montana, Canadian & Wyoming Oil	73,444	1,310,219		1,187,938	983,065	173,110	54,417	139,812	3,922,005

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1973	26,563	43,474	69,599	139,636
March, 1973	27,070	42,194	70,630	139,894
March, 1974	25,137	42,740	58,639	126,516

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year 1973	19.02%	31.13%	49.85%
March, 1973	19.35%	30.16%	50.49%
March, 1974	19.87%	33.78%	46.35%